

CLAIMS

What is claimed is:

1. An apparatus for displaying air traffic symbology, the apparatus comprising:
  - an interface that receives a first signal;
  - a memory that includes indicia of symbology for display;
  - a processor that provides a second signal in accordance with the indicia of symbology selected in accordance with the first signal; and
  - a monitor, responsive to the processor, that displays a presentation in accordance with the second signal, the presentation comprising:
    - (1) a first symbol for a proximate formation aircraft; and
    - (2) a second symbol for a proximate non-formation aircraft, wherein the first symbol differs in appearance from the second symbol.
2. The apparatus of claim 1 adapted for receiving the first signal from a Traffic Alert and Collision Avoidance System (TCAS).
3. The apparatus of claim 1 adapted for receiving the first signal from a Station Keeping Equipment.
4. The apparatus of claim 1 adapted for receiving the first signal from time to time from each of a Traffic Alert and Collision Avoidance System (TCAS) and a Station Keeping Equipment.
5. The apparatus of claim 1 wherein the presentation associates at least one of the first symbol and the second symbol with a respective type of surveillance equipment operating on board the respective aircraft.
6. The apparatus of claim 5 wherein the type corresponds to at least one of: station keeping equipment only, station keeping equipment with transponder, and transponder only.
7. The apparatus of claim 1 wherein the presentation further comprises for each symbol indicia of identification of the corresponding aircraft.
8. The apparatus of claim 1 wherein:
  - the presentation associates at least one of the first symbol and the second symbol with a respective type of surveillance equipment operating on board the respective aircraft;
  - the presentation further comprises for each symbol indicia of identification of the

corresponding aircraft; and

the indicia of identification is presented in a same format for each type.

9. The apparatus of claim 1 wherein the presentation further associates with at least one of the first symbol and the second symbol at least one of a velocity vector, a cross track error, and an acceleration.